FORM PTO-1449 U.S. Department of Commerce (Rev. 4/92) Patent and Trademark Office	ATTY. DOCKET NO. 500.33021CX5	SERIAL NO. 09/933,805

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use several sheets if necessary)

APPLICANT	
T. NINOMIYA, et al	
FILING DATE August 22, 2001	GROUP 2186

(OIPE stamp: MAR 31 2004 PATENT & TRADEMARK OFFICE)

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER							DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
HBP		4	9	4	7	3	6	7	8/90	Chang et al			
HBP		5	0	3	4	9	1	4	7/91	Osterlund			
HBP		5	2	0	6	9	3	9	4/93	Yanai et al			
HBP		5	3	0	1	3	0	4	4/94	Menon			
HBP		5	3	3	5	3	5	2	8/94	Yanai et al			
HBP		5	4	5	9	8	5	3	10/95	Best et al			
HBP		5	4	6	5	3	8	2	11/95	Day, III, et al			

(RECEIVED stamp: APR 02 2004 Technology Center 2100)

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER							DATE	COUNTRY	CLASS	SUBCLASS	ABSTRACT YES	NO
HBP		4	2	1	9	8	1	5	8/92	Japan			XX	
HBP		4	2	8	3	8	2	2	10/92	Japan			XX	
HBP		5	1	5	8	7	9	7	6/93	Japan			XX	
HBP		6	1	2	1	5	2	5	1/86	Japan			XX	
HBP		3	0	1	5	9	5	7	1/91	Japan			XX	
HBP		5	3	0	7	4	4	0	11/93	Japan			XX	

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

HBP		A Fast Algorithm for Calculating Offsets During CKD-Emulation, IBM Technical Disclosure Bulletin, Jan. 1991.
HBP		Virtual Count Key Data, IBM Technical Disclosure Bulletin, March 1993.
HBP		System for Blocking Variable Length Records, IBM Technical Disclosure Bulletin, Sept. 1973.

EXAMINER *H.B. Patel*	DATE CONSIDERED 04/13/04

EXAMINER: Initial if citation is considered, draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

(Form PTO-1449 [6-4])

3

FORM PTO-1449 U.S. Department of Commerce (Rev. 4/92) Patent and Trademark	ATTY. DOCKET NO. 500.33021CX5	SERIAL NO. 09/933,805
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)	APPLICANT T. NINOMIYA, et al	
	FILING DATE **August 22, 2001**	GROUP **2186**

Stamp: MAR 3 1 2004 OFFICE PATENT & TRADEMARK

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER							DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
HBP		5	5	3	0	8	1	9	6/96	Day, III, et al			
HBP		5	6	6	4	1	4	4	9/97	Yanai et al			
HBP		5	9	0	9	6	9	2	6/99	Yanai et al			
HBP		6	1	8	5	6	5	3	2/01	Yanai et al			
HBP		6	5	8	7	9	1	9	7/03	Yanai et al			

Stamp: RECEIVED APR 0 2 2004 Technology Center 2100

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER							DATE	COUNTRY	CLASS	SUBCLASS	ABSTRACT YES	NO
HBP		0	3	4	7	0	3	2	12/89	European				
HBP		0	5	5	9	1	4	2	9/93	European				

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

HBP		Rapid Access Method for Fixed Block DASD Records, IBM Technical Disclosure Bulletin, September 1977.

EXAMINER *H.B. Patel*	DATE CONSIDERED *04/13/04*

EXAMINER: Initial if citation is considered, draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.